

# (12) UK Patent Application (19) GB (11) 2 387 405 (13) A

(43) Date of Printing by UK Office 15.10.2003

(21) Application No 0311596.1

(22) Date of Filing 02.01.2002

(30) Priority Data

(31) 60259486 (32) 03.01.2001 (33) US

(86) International Application Data

PCT/US2002/000093 En 02.01.2002

(87) International Publication Data

WO2002/053867 En 11.07.2002

(71) Applicant(s)

Enventure Global Technology  
(Incorporated in USA - Texas)  
18200 A.Park Row, Houston, Texas 77084,  
United States of America

(72) Inventor(s)

Robert Lance Cook  
Lev Ring  
Edwin Arnold Zwald Jr  
Andrei Gregory Phillipov  
Kevin Wadell

(51) INT CL<sup>7</sup>

E21B 43/10 19/00

(52) UK CL (Edition V )

E1F FLA

(56) Documents Cited by ISA

US 6322109 B1

US 6085838 A

US 6070671 A

(58) Field of Search by ISA

INT CL<sup>7</sup> E21B 19/00 43/10

Other: U.S. : 166/380, 207, 378, 381, 383, 206, 209, 212,  
216, 242.1, 242.2, 242.3, 242.6, 242.8

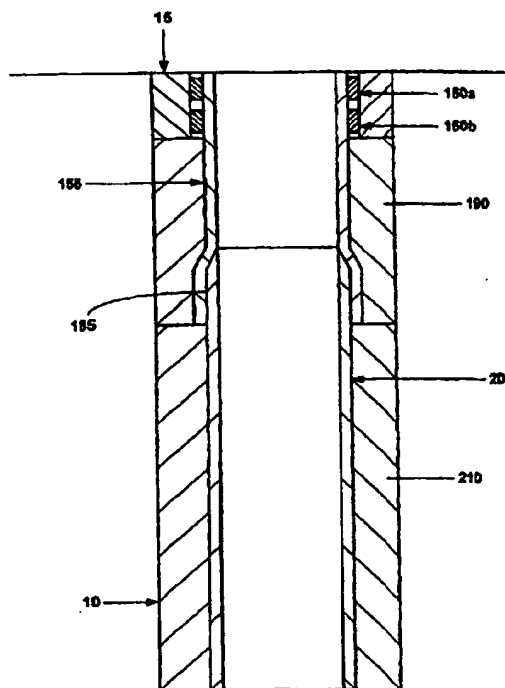
(74) Agent and/or Address for Service

Hasehtine Lake & Co  
Imperial House, 15-19 Kingsway,  
LONDON, WC2B 6UD, United Kingdom

(54) Abstract Title

**Mono-diameter wellbore casing**

(57) A mono-diameter wellbore casing. The mono-diameter wellbore casing is formed by plastically deforming and radially expanding a first tubular member within a wellbore. A second tubular member is then plastically deformed and radially expanded in overlapping relation to the first tubular member. The second tubular member and the overlapping portion of the first tubular member are then radially expanded again.



GB 2 387 405 A

BEST AVAILABLE COPY

(19) World Intellectual Property Organization  
International Bureau



(43) International Publication Date  
11 July 2002 (11.07.2002)

PCT

(10) International Publication Number  
WO 02/053867 A2

- (51) International Patent Classification: E21B
- (21) International Application Number: PCT/US02/00093
- (22) International Filing Date: 2 January 2002 (02.01.2002)
- (25) Filing Language: English
- (26) Publication Language: English
- (30) Priority Data:  
60/259,486 3 January 2001 (03.01.2001) US
- (71) Applicant (for all designated States except US): ENVEN-  
TURE GLOBAL TECHNOLOGY [US/US]; 16200 A  
Park Row, Houston, TX 77084 (US).
- (72) Inventors; and
- (75) Inventors/Applicants (for US only): COOK, Robert.

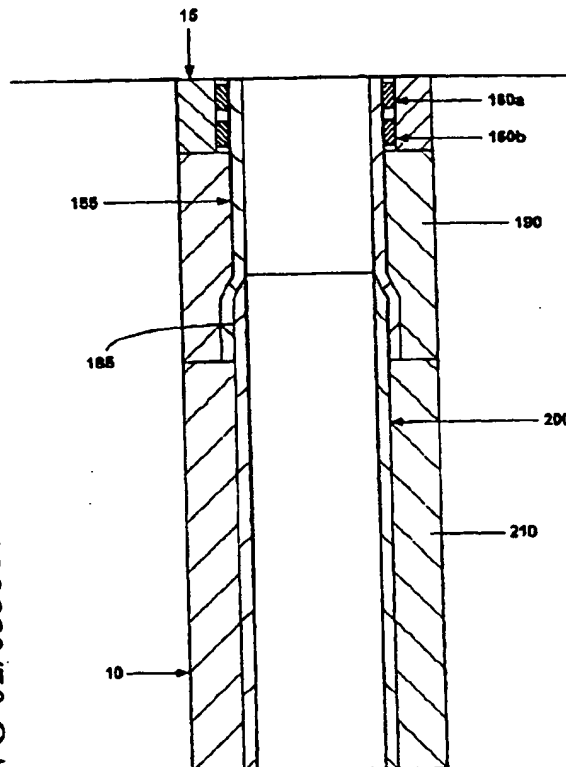
Lance [US/US]; 934 Caswell Court, Katy, TX 77450 (US).  
RING, Lev [RU/US]; 14126 Heatherhill Place, Houston,  
TX 77077 (US). ZWALD, Ed [US/US]; Memorial Drive  
#110, Houston, TX 77024 (US). FILLIPOV, Andrei  
[US/US]; 2606 Hidden Shore Drive, Katy, TX 77450 (US).  
WADELL, Kevin [US/US]; 11007 Sprucedale Court,  
Houston, TX 77070 (US).

(74) Agents: MATTINGLY, Todd et al.; Haynes and Boone,  
LLP, 1000 Louisiana, Suite 4300, Houston, TX 77002-  
5012 (US).

(81) Designated States (national): AE, AG, AL, AM, AT, AU,  
AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU,  
CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM,  
HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK,  
LR, LS, LI, LU, LV, MA, MD, MG, MK, MN, MW, MX,  
MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI,  
SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VN,  
YU, ZA, ZM, ZW.

[Continued on next page]

(54) Title: MONO-DIAMETER WELLBORE CASING



(57) Abstract: A mono-diameter wellbore casing. The mono-diameter wellbore casing is formed by plastically deforming and radially expanding a first tubular member within a wellbore. A second tubular member is then plastically deformed and radially expanded in overlapping relation to the first tubular member. The second tubular member and the overlapping portion of the first tubular member are then radially expanded again.

WO 02/053867 A2